

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-15

NPDES PERMIT NO. CA0006653

WASTE DISCHARGE REQUIREMENTS FOR:

KAISER AEROTECH, INC.,
SAN LEANDRO, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, hereinafter called the Board, finds that:

1. Kaiser Aerotech, Inc., (formerly known as Kaiser Aerospace and Electronics Corporation) submitted a National Pollutant Discharge Elimination System (NPDES) Application for Permit to Discharge - Short Form C, dated November 6, 1978, for renewal of its NPDES permit (Order No. 74-25) expiring March 19, 1979.
2. The discharger manufactures rocket engine parts and releases an average flow of 0.02 million gallons per day (MGD) of industrial process waste and cooling water containing pollutants into a storm drain tributary to San Francisco Bay, a water of the United States, at a point about one mile west from the foot of Davis Street in San Leandro. Runoff from plant areas used for handling and storing process materials and products is collected with the waste and causes substantially higher seasonal flow rates.
3. On April 8, 1975, the Board adopted a Water Quality Control Plan for San Francisco Bay Basin. This plan contains water quality objectives for San Francisco Bay.
4. The beneficial uses of San Francisco Bay and contiguous waters are:
 - a. Recreation
 - b. Fish migration and habitat
 - c. Habitat and resting for waterfowl and migratory birds
 - d. Industrial water supply
 - e. Esthetic enjoyment
 - f. Navigation
5. Effluent limitation and toxic effluent standards established pursuant to Section 208(b), 301, 304 and 307 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.
6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

7. The Board in a public meeting heard and considered all comments pertaining to the discharge.
8. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of hearing, provided the Regional Administrator has no objections.
9. The Board is not required to comply with the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (California Environmental Quality Act) as this is an NPDES permit and is exempt from such provisions per Section 13389 of the Water Code.

IT IS HEREBY ORDERED, the discharger in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Federal Water Pollution Control Act, and regulations and guidelines adopted thereunder shall comply with the following:

A. Effluent Limitations

1. The discharge to waters of the State shall be limited to non-contact cooling water.
2. The discharge of an effluent in excess of the following limits is prohibited:

<u>Constituents</u>	<u>Units</u>	<u>30-day Average</u>	<u>Daily Maximum</u>	<u>Instantaneous Maximum</u>
Total Suspended Solids	lb/day (kg/day) mg/l	75 (34) 30	150 (68) 60	
Settleable Matter	ml/l-hr	0.1	0.2	
Chemical Oxygen Demand	lb/day (kg/day) mg/l	150 (68) 60	225 (102) 90	
Oil and Grease	lb/day (kg/day) mg/l	12.5 (5.7) 5	25 (11.3) 10	
Temperature	°F			100

3. The waste shall not have a pH less than 7.0 nor greater than 8.5.
4. The toxicity of the waste as discharged, as measured by survival of test fish in 96-hour bioassays, shall not exceed:
 - a. Any determination: 70%, minimum.
 - b. Average of any three or more consecutive determinations: 90%, minimum.

B. Receiving Water Limitations

1. Neither the waste nor stormwater runoff from the plant site shall cause:
 - a. Visible, floating, suspended, or deposited oil or other products of petroleum origin in waters of the State at any place;
 - b. Floating, suspended, or deposited macroscopic particulate matter or foam, in waters of the State at any place;
 - c. Bottom deposits or aquatic growths at any place;
 - d. Alteration of apparent color beyond present natural background levels in waters of the State at any place;
 - e. Toxic or other deleterious substances to be present in waters of the State in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

C. Prohibitions

1. The discharge of pesticides into waters of the State is prohibited.

D. Provisions

1. Neither the treatment nor the discharge of pollutants shall create a nuisance as defined in the California Water Code.
2. All drainage from areas used to store and handle process materials or products shall be diverted to the process waste system.
3. Fail-safe source control measures shall be used in areas where pesticides or other persistent toxicants may be present, to exclude them from the waste.
4. This order includes all of the items in the attached "Standard Provisions Reporting Requirements and Definitions," dated April 1977, with the exception of items A.5, A.16, B.1, B.2, B.5.
5. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any monitoring and reporting program as directed by the Executive Officer.
6. The discharger shall submit to the Board by January 30 of each year an annual summary of the quantities of all chemicals, listed by both trade and chemical names which are used for cooling and/or boiling water treatment and which are discharged.

7. This Order expires on March 19, 1984, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on February 20, 1979.

FRED H. DIERKER
Executive Officer

Attachments:

Standard Provisions, Reporting Requirements & Definitions, dated April 1977
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Kaiser

San Leandro, Alameda County, California

NPDES NO. CA 0006653

ORDER NO. 79-15

CONSISTS OF

PART A, (dated 1/78)

AND

PART B, (ordered 2/20/79)

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-1	At any point in the outfall from the treatment facilities between the point of discharge and the point at which all waste tributary to that outfall is present.

II. SCHEDULE OF SAMPLING, ANALYSES, AND OBSERVATIONS

- A. The schedule of sampling and analysis shall be that given as Table I.
- B. Within 15 days from the effective date of this self-monitoring program discharger shall submit for the Executive Officer's approval the method by which discharger intends to measure or estimate the average daily flow rate in million gallons per day.

III. MODIFICATION OF PART "A" DATED 1/78

- A. Exclusions: Paragraphs C-3, C-4, C-5, D-1, D-3, D-4, E-2b, E-4, and F-3g(2).
- B. Modifies paragraph F.3 to require that self-monitoring reports shall be filed for each calendar quarter by the 15th day after each calendar quarter ends.
- C. Modifies paragraph F.3.e by eliminating the requirement for filing EPA Form 3320-1.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 79-15.
2. Has been ordered by the Executive Officer on February 20, 1979, and becomes effective immediately.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Attachment:
Table I

TABLE I
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

NPDES NO. CA0006653

ORDER NO. 79-15

SAMPLING STATIONS	E-1								
TYPE OF SAMPLES	C-24	G	O						
Flow Rate (mgd)	D								
Settleable Matter (ml/l-hr. & cu. ft/day)		3M							
Total Suspended Matter (mg/l & kg/day)		3M							
pH (units)		3M							
Temperature (°C)		3M							
Apparent Color - visual Observation			3M						
Chemical Oxygen Demand (mg/l & kg/day)		3M							
Oil and grease (mg/l and kg/day)		3M <u>1/</u>							

LEGEND

TYPE OF SAMPLE

G = grab sample (in situ for temperature)
C-24 = 24-hour composite sample
O = observation

SAMPLING FREQUENCY

D = once each day
3M = Quarterly

TYPE OF STATION

E = waste effluent station

1/ Oil and grease sampling shall consist of 3 grab samples taken at equal hour intervals during the sampling day, with each grab being collected in a glass container, and analyzed separately. Results shall be expressed as a weighted average of the 3 values, based upon the instantaneous flow rate at the time each grab was collected.